



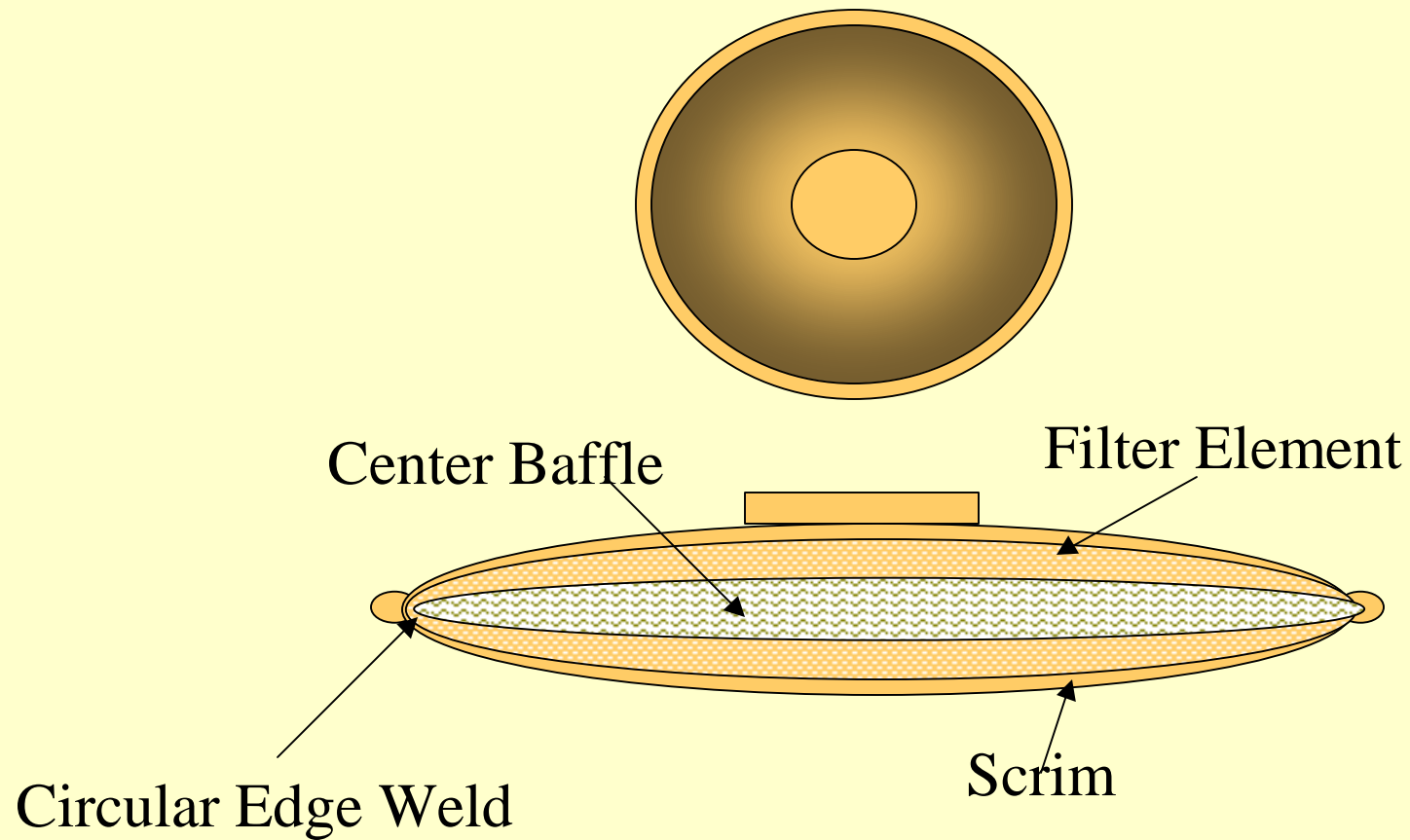
# Improved HEPA Filter for Flexible and Rigid Containment Barriers

Paul Pinson

Idaho National Engineering and  
Environmental Laboratory (INEEL)

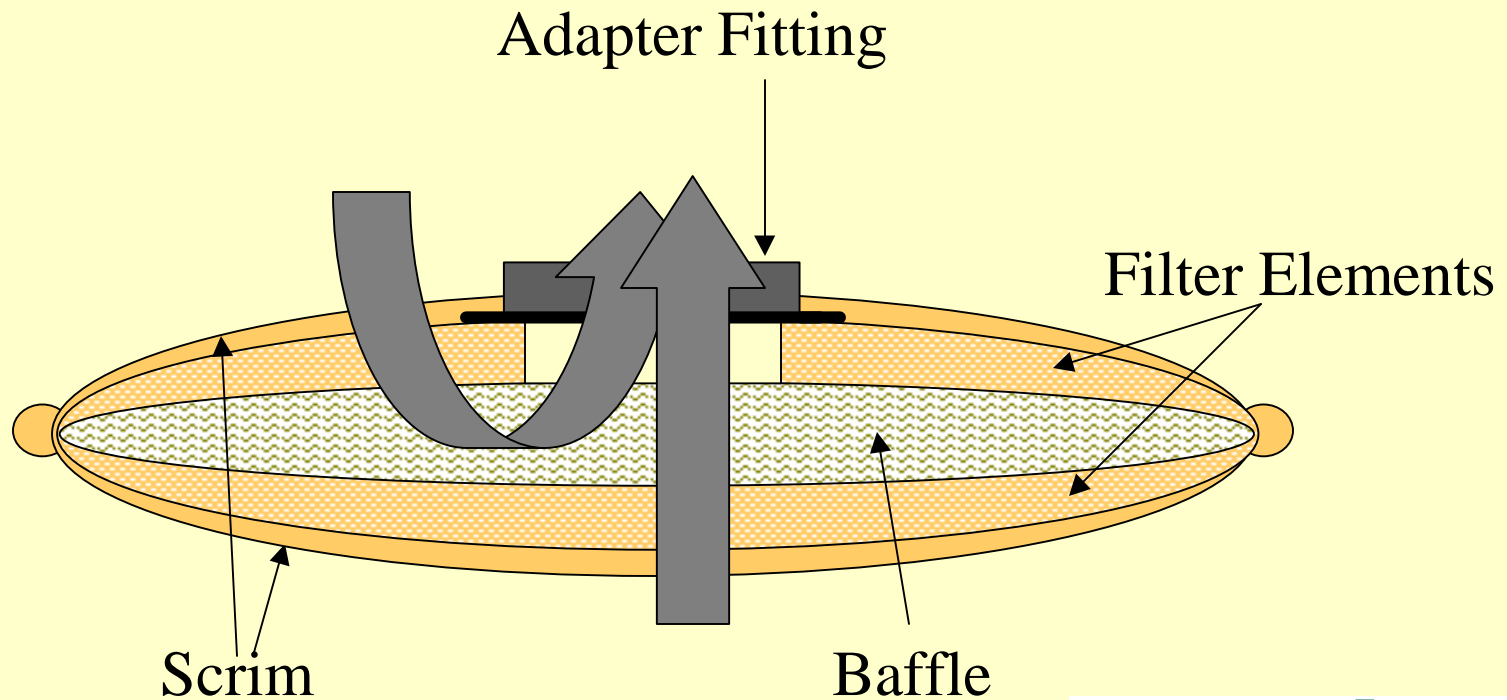


# Improved HEPA Filter for Flexible and Rigid Containment Barriers



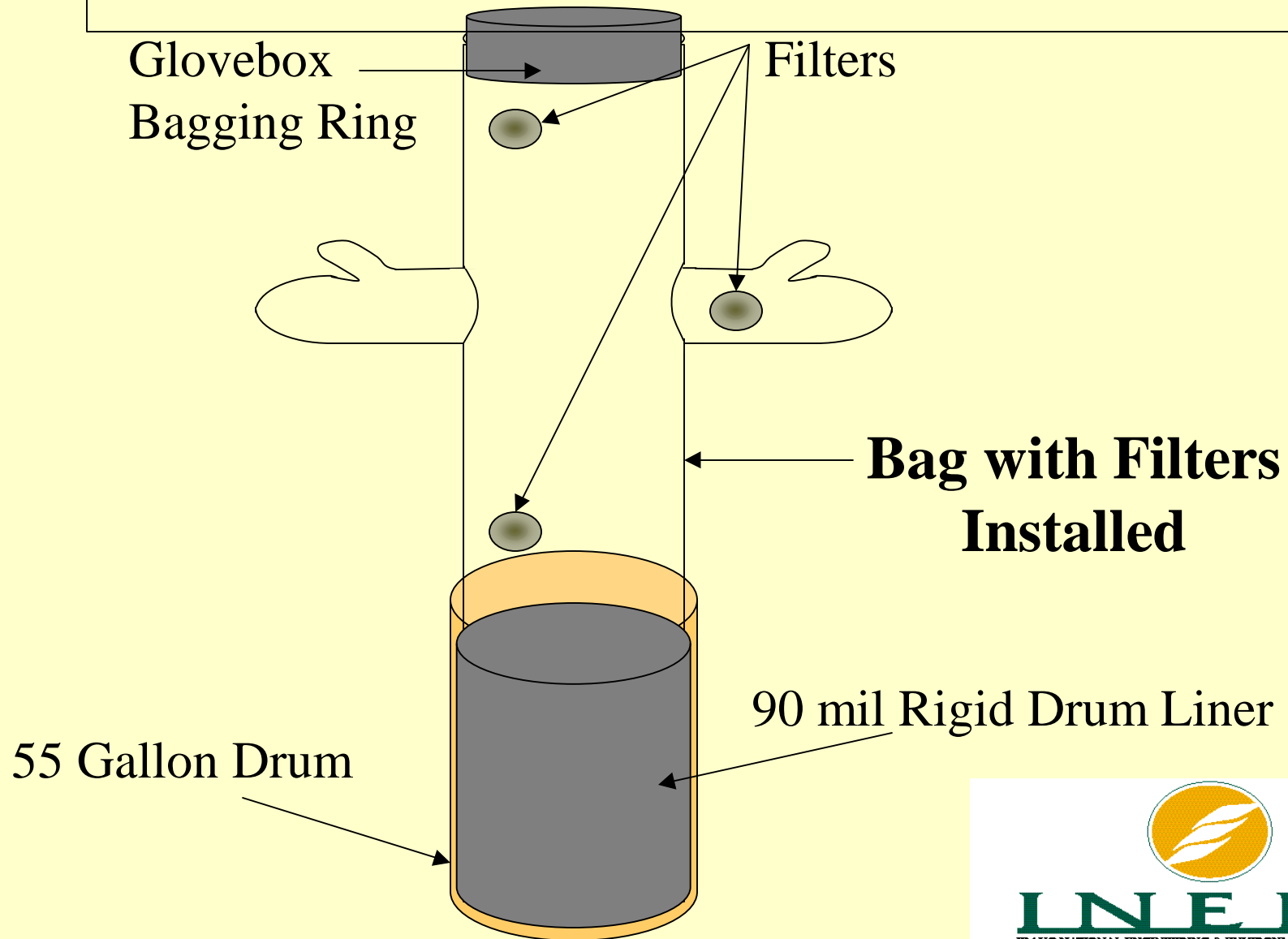


# AIR FLOW THROUGH TYPICAL CIRCULAR FLEXIBLE BREATHING AIR MASK FILTER (FILTER SECTIONED FOR CLARITY)

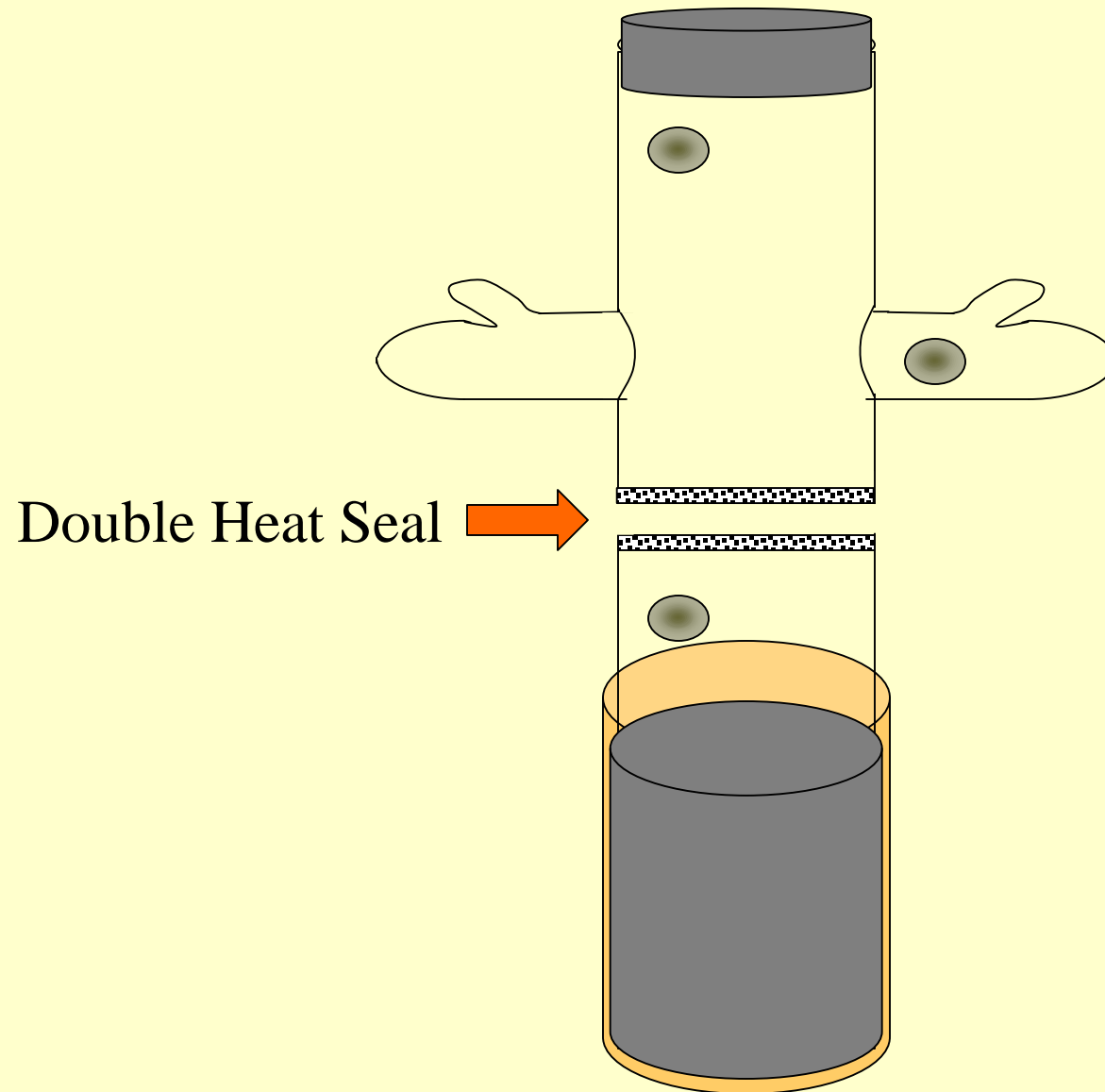


LOCKHEED MARTIN

## Argonne National Laboratories-West Glove Box

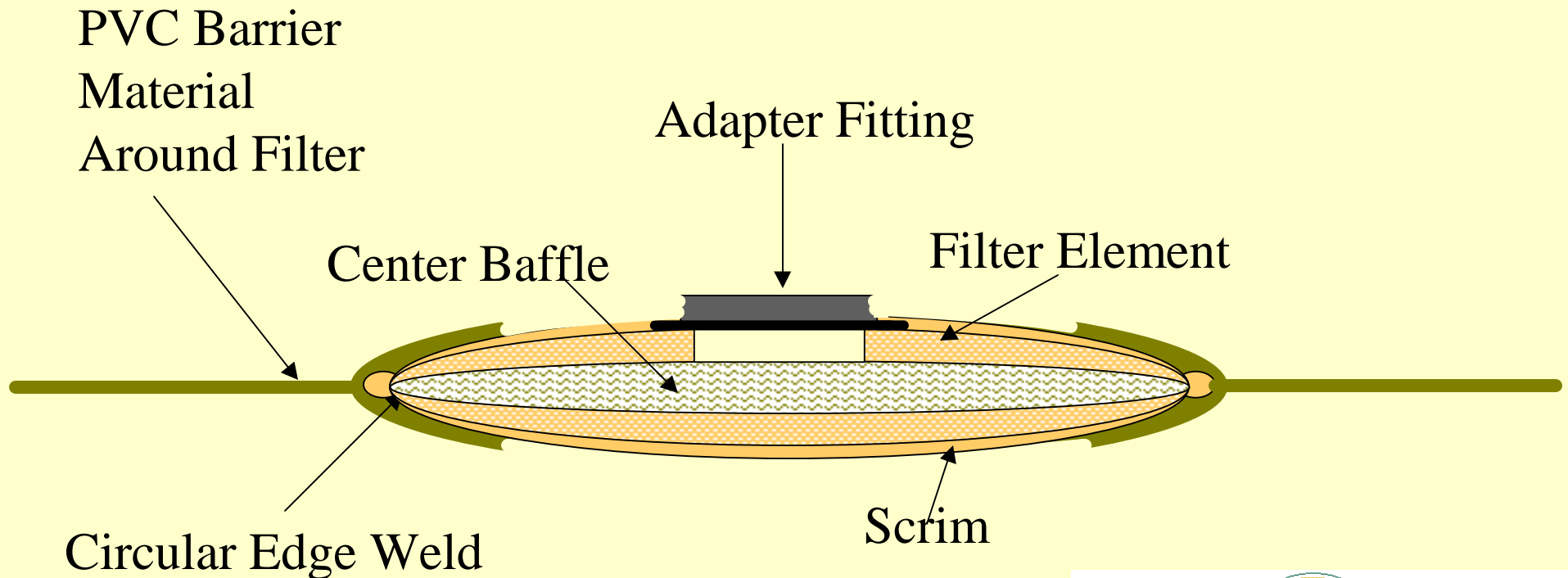


## Argonne National Laboratories- West Bag with Filters Installed





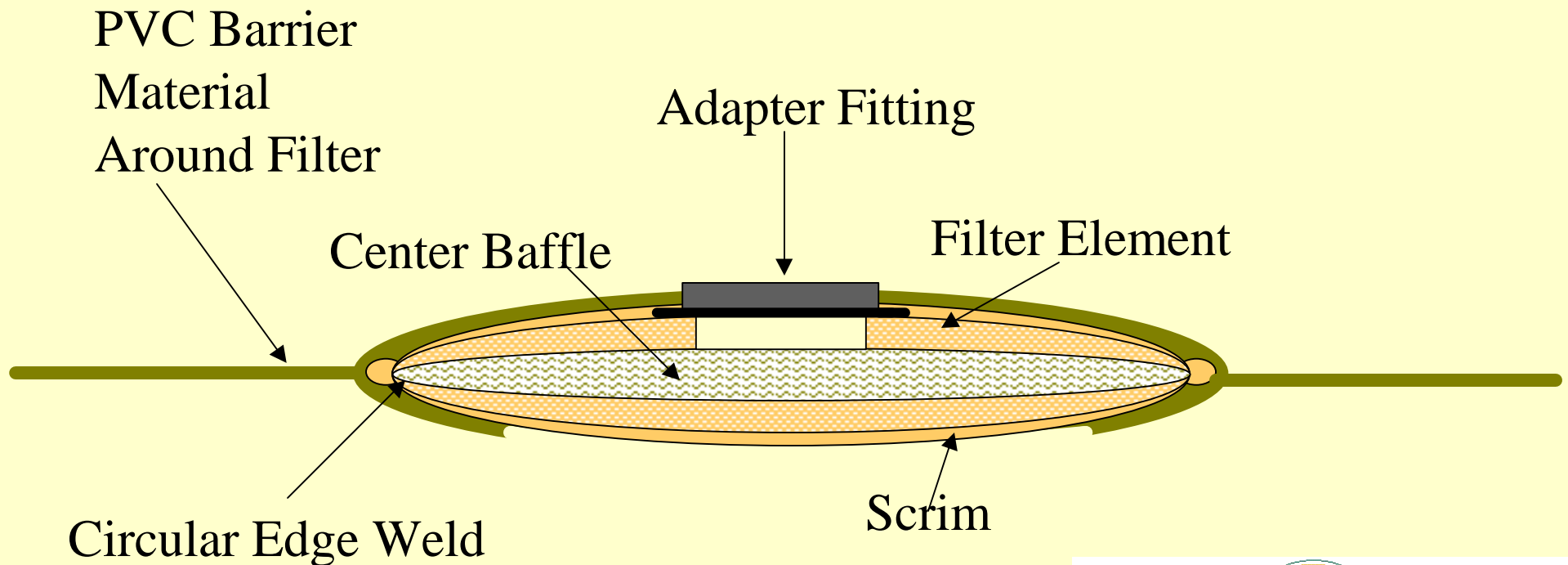
# CONTINUOUS VENTING PVC POCKET AROUND FILTER (FILTER SECTIONED FOR CLARITY)





# AIRTIGHT SEALABLE PVC POCKET AROUND FILTER

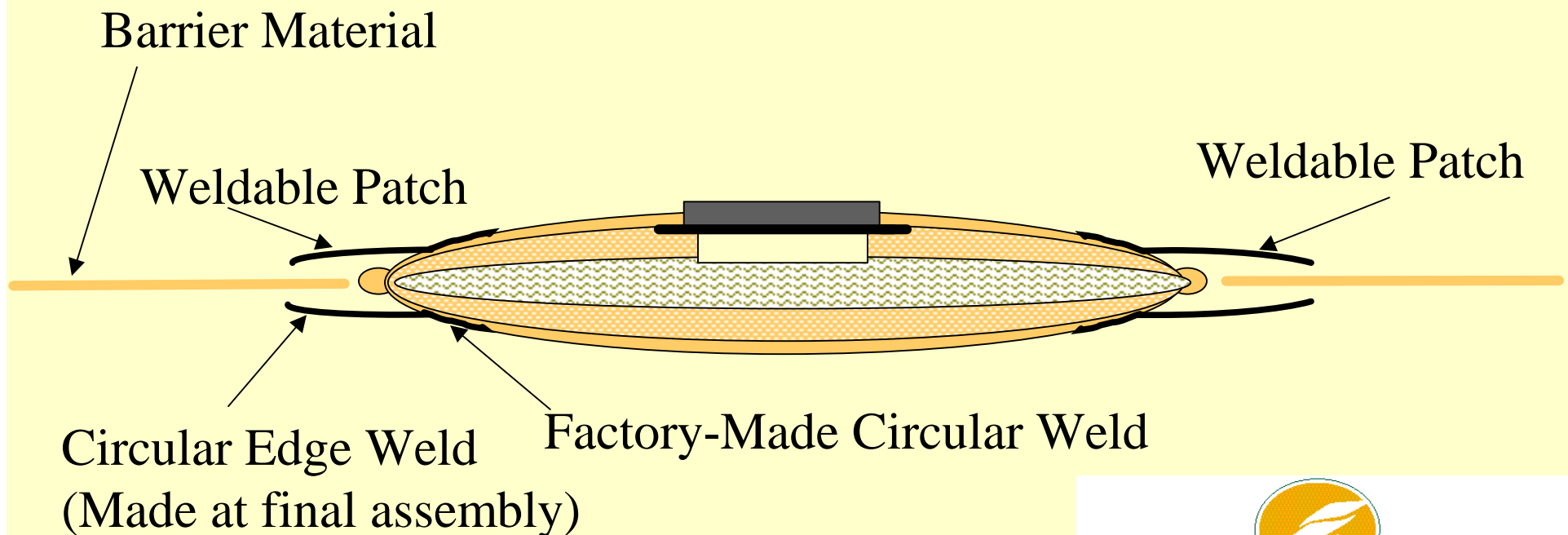
(FILTER SECTIONED FOR CLARITY)



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# CIRCULAR PATCH FILTER WELDABLE TO BARRIER MATERIAL

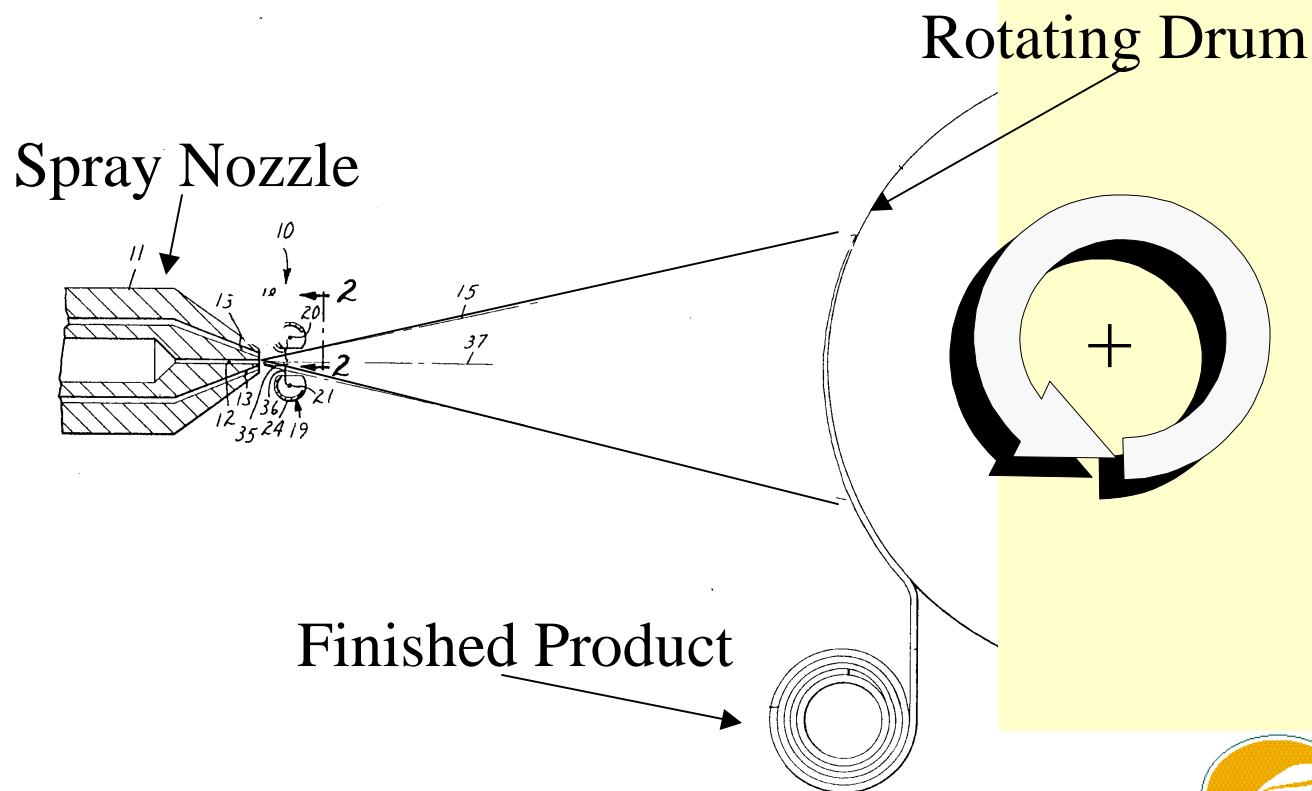
(FILTER SECTIONED FOR CLARITY)





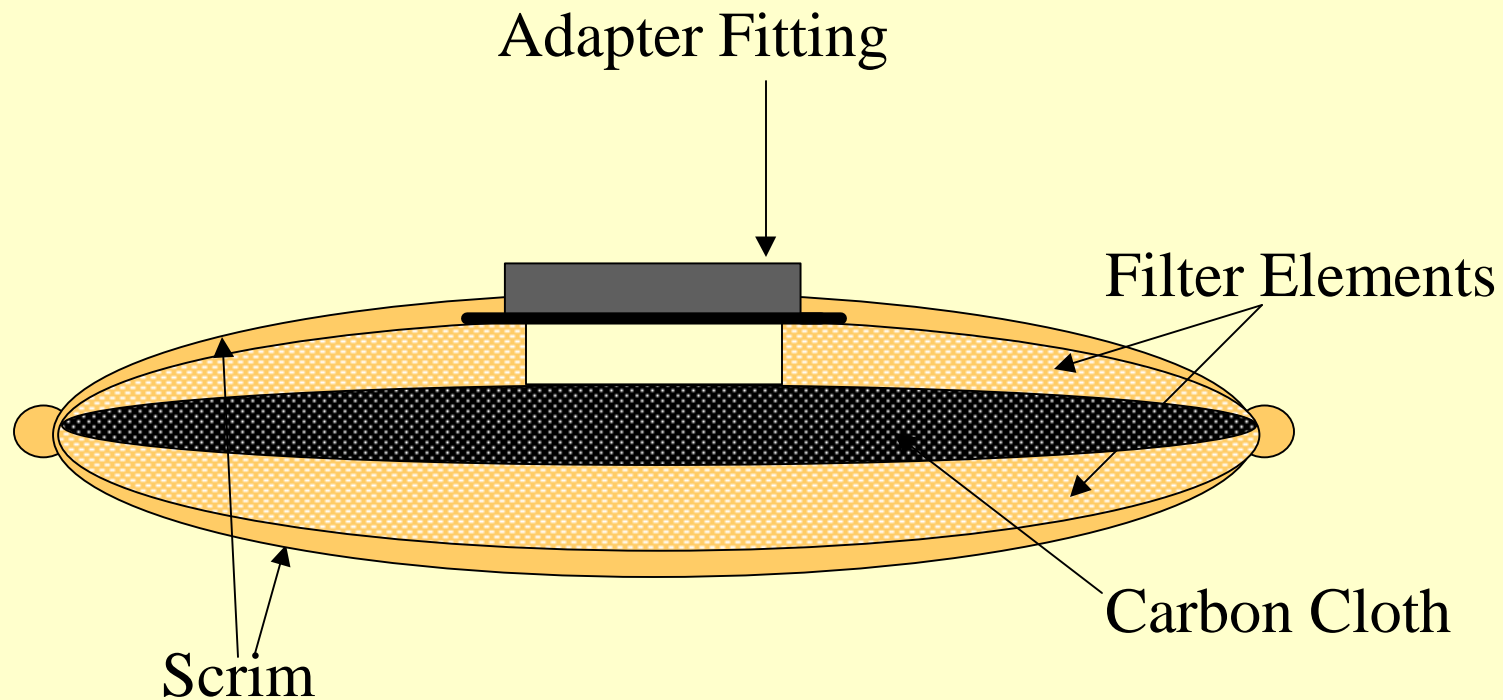


# Blown Microfiber (BMF) Polypropylene Manufacturing



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# Mist and Vapor Filtering



## Current Plastic Welding Capabilities Welding Filters to Barriers

